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NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files  
NEWS 3 Feb 06 Engineering Information Encompass files have new names  
NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA  
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN  
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change  
to PHARMASEARCH  
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents  
Index  
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
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TOTAL

FULL ESTIMATED COST

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Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

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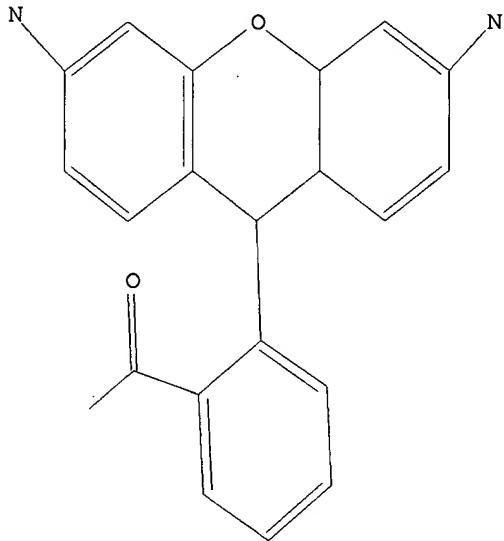
Uploading 772617b.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 15:43:44 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 15153 TO ITERATE

6.6% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 295708 TO 310412  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 15:43:50 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 303844 TO ITERATE

100.0% PROCESSED 303844 ITERATIONS 11 ANSWERS  
SEARCH TIME: 00.00.03

L3 11 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	133.56	133.71

FILE 'CAPLUS' ENTERED AT 15:43:58 ON 10 OCT 2001  
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FILE COVERS 1947 - 10 Oct 2001 VOL 135 ISS 16  
FILE LAST UPDATED: 9 Oct 2001 (20011009/ED)

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> s 13 full

L4 4 L3

=> d 14 1-4 ibib abs hitstr

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 2000:422182 CAPLUS  
 DOCUMENT NUMBER: 133:151978  
 TITLE: 1H and 13C NMR spectra of commercial rhodamine ester derivatives  
 AUTHOR(S): Ramos, S. S.; Vilhena, A. F.; Santos, L.; Almeida, P.  
 CORPORATE SOURCE: Departamento de Quimica e Unidade de I and D de Materials Texteis e Papeleiros, Universidade da Beira Interior, Covilha, 6200-053, Port.  
 SOURCE: Magn. Reson. Chem. (2000), 38(6), 475-478  
 CODEN: MRCHEG; ISSN: 0749-1581

PUBLISHER: John Wiley & Sons Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB Et and Me esters of com. rhodamines B, 19, 101, and 110 and Pr and Bu esters of com. rhodamine B were synthesized and isolated with different counterions (yields 70-98%). The 1H and 13C NMR spectral data for these compds. were fully assigned by a combination of one- and two-dimensional expts. The FTIR and UV-visible spectra were also recorded and the main bands were identified.

IT 287486-42-4P 287486-43-5P 287486-44-6P  
 287486-46-8P 287486-47-9P 287486-48-0P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (prepn. and NMR and absorption spectra of rhodamine dye esters)

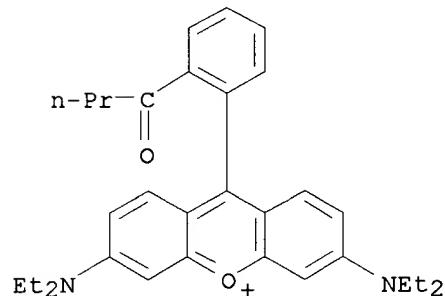
RN 287486-42-4 CAPLUS

CN Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-oxobutyl)phenyl]-, perchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 287486-41-3

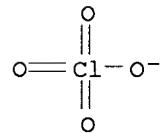
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CM 2

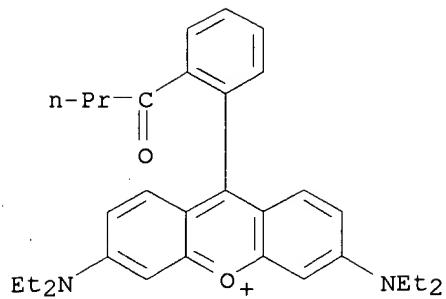
CRN 14797-73-0

CMF Cl O4



RN 287486-43-5 CAPLUS

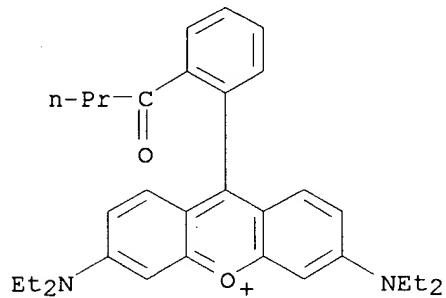
CN Xanthylum, 3,6-bis(diethylamino)-9-[2-(1-oxobutyl)phenyl]-, iodide (9CI) (CA INDEX NAME)



● I<sup>-</sup>

RN 287486-44-6 CAPLUS

CN Xanthylium, 3,6-bis(diethylamino)-9-[2-(1-oxobutyl)phenyl]-, bromide  
(9CI)  
(CA INDEX NAME)



● Br<sup>-</sup>

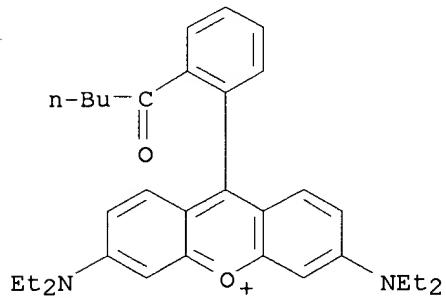
RN 287486-46-8 CAPLUS

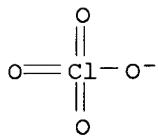
CN Xanthylium, 3,6-bis(diethylamino)-9-[2-(1-oxopentyl)phenyl]-, perchlorate  
(9CI) (CA INDEX NAME)

CM 1

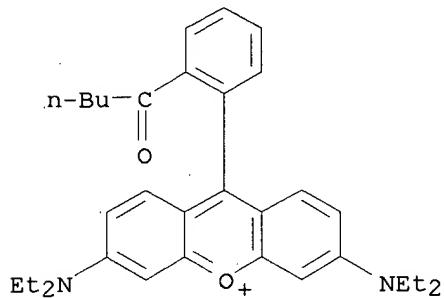
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CMF C32 H39 N2 O2

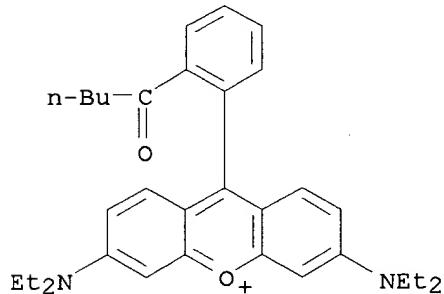


CRN 14797-73-0  
CMF Cl O4

RN 287486-47-9 CAPLUS  
 CN Xanthylium, 3,6-bis(diethylamino)-9-[2-(1-oxopentyl)phenyl]-, iodide  
 (9CI)  
 (CA INDEX NAME)

● I<sup>-</sup>

RN 287486-48-0 CAPLUS  
 CN Xanthylium, 3,6-bis(diethylamino)-9-[2-(1-oxopentyl)phenyl]-, bromide  
 (9CI) (CA INDEX NAME)

● Br<sup>-</sup>REFERENCE COUNT:  
REFERENCE(S):

6

- (1) Anon; Photodynamic Tumor Therapy: 2nd and 3rd generation Photosensitizers 1998
- (2) Geoghegan, K; Bioconjugate Chem 1993, V7, P537
- (3) Karolin, J; J Fluorescenc 1995, V5, P279 CAPLUS
- (4) Pretsch, E; Tables of Spectral Data for Structure Determination of Organic Compounds (2nd edn) 1989

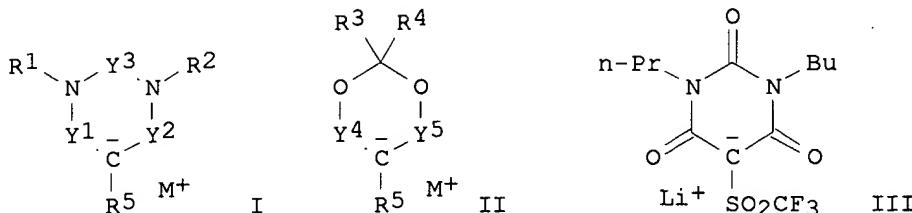
L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1998:466330 CAPLUS  
 DOCUMENT NUMBER: 129:109096  
 TITLE: Preparation of salts of heterocyclic anions and their uses as ionic conductive materials  
 INVENTOR(S): Armand, Michel; Choquette, Yves; Gauthier, Michel; Michot, Christophe  
 PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS), Fr.; Hydro-Quebec  
 SOURCE: Eur. Pat. Appl., 39 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 850932	A1	19980701	EP 1997-403190	19971230
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2194127	AA	19980630	CA 1996-2194127	19961230
CA 2199231	AA	19980905	CA 1997-2199231	19970305
CA 2244979	AA	19980709	CA 1997-2244979	19971230
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CA 2248304	AA	19980709	CA 1997-2248304	19971230
WO 9829358	A2	19980709	WO 1997-CA1008	19971230
WO 9829358	A3	19981008		
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE				
WO 9829399	A1	19980709	WO 1997-CA1009	19971230
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WO 9829389	A1	19980709	WO 1997-CA1010	19971230
W: CA, JP, US				
WO 9829396	A1	19980709	WO 1997-CA1011	19971230
W: CA, JP, US				
WO 9829877	A1	19980709	WO 1997-CA1012	19971230
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE				
WO 9829388	A1	19980709	WO 1997-CA1013	19971230
W: CA, JP, US				
EP 889863	A2	19990113	EP 1997-951051	19971230
R: DE, FR, GB, IT				
EP 890176	A1	19990113	EP 1997-951052	19971230
EP 890176	B1	20010620		
R: DE, FR, GB, IT				
JP 2000508114	T2	20000627	JP 1998-529517	19971230
JP 2000508346	T2	20000704	JP 1998-529516	19971230
JP 2000508676	T2	20000711	JP 1998-529514	19971230
JP 2000508677	T2	20000711	JP 1998-529515	19971230
JP 2000508678	T2	20000711	JP 1998-529518	19971230
US 6120696	A	20000919	US 1998-125792	19980828
US 6171522	B1	20010109	US 1998-101811	19981119
US 6228942	B1	20010508	US 1998-125798	19981202
US 2001024749	A1	20010927	US 2001-826941	20010406
PRIORITY APPLN. INFO.:			CA 1996-2194127	A 19961230

CA 1997-2199231 A 19970305  
 WO 1997-CA1008 W 19971230  
 WO 1997-CA1009 W 19971230  
 WO 1997-CA1010 W 19971230  
 WO 1997-CA1011 W 19971230  
 WO 1997-CA1012 W 19971230  
 WO 1997-CA1013 W 19971230  
 US 1998-125798 A3 19981202

OTHER SOURCE(S):  
 GI

CASREACT 129:109096; MARPAT 129:109096

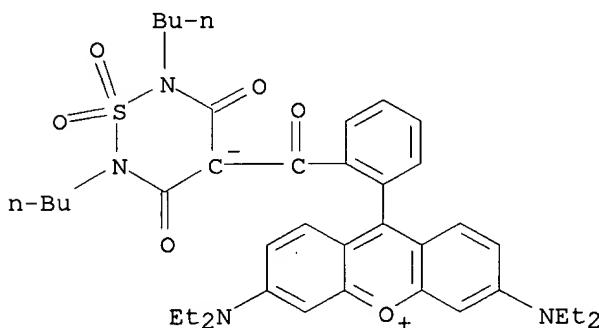


AB Salts of heterocyclic anions I and II [R<sup>1</sup> = R<sup>2</sup> = org. radical such as alkyl, fluoroalkyl; R<sup>3</sup> = R<sup>4</sup> = org. radical such as alkyl, fluoroalkyl; R<sup>3</sup>R<sup>4</sup> = O; R<sup>5</sup> = electron attracting group such as CN, alkylsulfonyl, fluoroalkylsulfonyl, acyl, polymer chain, etc.; Y<sup>1-5</sup> = CO, SO<sub>2</sub>, etc.; M = Li, K, ammonium, etc.] were prepd. for use as reaction catalysts, dyes, and photosensitizers. Thus, III was prepd. via condensation of 1-butylisocyanate, 1-propanamine, and malonyl dichloride to form 1-propyl-3-Bu barbituric acid, which was the reacted with trifluoromethanesulfonyl chloride followed by anhyd. LiCl.

IT **210048-74-1P**  
 RL: CAT (Catalyst use); NUU (Nonbiological use, unclassified); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)  
 (prepn. of salts of heterocyclic anions and their uses as ionic conductive materials)

RN 210048-74-1 CAPLUS

CN Xanthylium, 9-[2-[(2,6-dibutyltetrahydro-1,1-dioxido-3,5-dioxo-2H-1,2,6-thiadiazin-4-yl)carbonyl]phenyl]-3,6-bis(diethylamino)-, inner salt (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1998:464361 CAPLUS  
 DOCUMENT NUMBER: 129:109417  
 TITLE: Salts of malononitrile-based anions for use as ionic conductors  
 INVENTOR(S): Armand, Michel; Choquette, Yves; Gauthier, Michel;  
 Michot, Christophe

PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS),  
 Fr.; Hydro-Quebec  
 SOURCE: Eur. Pat. Appl., 49 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 850921	A1	19980701	EP 1997-403189	19971230	
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WO 9829358	A2	19980709	WO 1997-CA1008	19971230	
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SE	WO 9829399	A1	19980709	WO 1997-CA1009	19971230
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WO 9829389	A1	19980709	WO 1997-CA1010	19971230	
W: CA, JP, US					
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WO 9829877	A1	19980709	WO 1997-CA1012	19971230	
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SE	WO 9829388	A1	19980709	WO 1997-CA1013	19971230
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EP 889863	A2	19990113	EP 1997-951051	19971230	
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EP 890176	A1	19990113	EP 1997-951052	19971230	
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JP 2000508114	T2	20000627	JP 1998-529517	19971230	
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US 6120696	A	20000919	US 1998-125792	19980828	
US 6171522	B1	20010109	US 1998-101811	19981119	
US 6228942	B1	20010508	US 1998-125798	19981202	
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CA 1996-2194127 A 19961230					
CA 1997-2199231 A 19970305					
WO 1997-CA1008 W 19971230					
WO 1997-CA1009 W 19971230					
WO 1997-CA1010 W 19971230					
WO 1997-CA1011 W 19971230					
WO 1997-CA1012 W 19971230					
WO 1997-CA1013 W 19971230					
US 1998-125798 A3 19981202					

OTHER SOURCE(S): MARPAT 129:109417  
 AB The title compds., of specified structure and also useful as polymn.  
 catalysts, colorants, etc., are prep'd. Stirring 10 mmol each stearoyl

chloride and malononitrile K salt in THF at room temp. for 24 h, filtering, and stirring the filtrate with 500 mg Li<sub>2</sub>CO<sub>3</sub> for 24 h gave >97%

C<sub>17</sub>H<sub>35</sub>CO(CN)<sub>2</sub>- Li<sup>+</sup>. Use of the products in the above applications is exemplified.

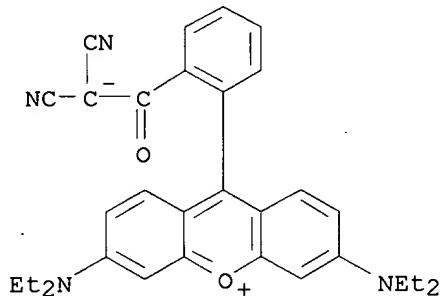
IT 210043-40-6P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation) (salts of malononitrile-based anions for use as ionic conductors)

RN 210043-40-6 CAPLUS

CN Xanthylum, 9-[2-(dicyanoacetyl)phenyl]-3,6-bis(diethylamino)-, inner salt

(9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1994:108111 CAPLUS

DOCUMENT NUMBER: 120:108111

TITLE: Preparation of bis(perfluorosulfonyl)methanes for use in the production of electrically conductive polymers

INVENTOR(S): Armand, Michel; Benrabah, Djamila; Sanchez, Jean Yves

PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique, Fr.; Hydro-Quebec

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9309092	A1	19930513	WO 1992-FR1024	19921104
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
FR 2683524	A1	19930514	FR 1991-13789	19911108
EP 567637	A1	19931103	EP 1993-900221	19921104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
JP 06503842	T2	19940428	JP 1992-508212	19921104
US 5446134	A	19950829	US 1993-84217	19930708
PRIORITY APPLN. INFO.:			FR 1991-13789	19911108
			WO 1992-FR1024	19921104

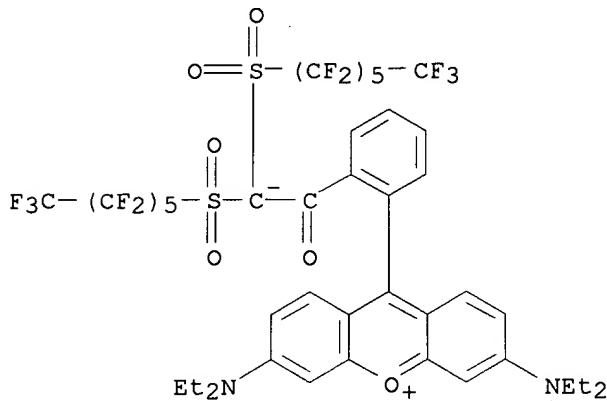
OTHER SOURCE(S): MARPAT 120:108111

AB The title compds. (1/nM)+ [(RfSO<sub>2</sub>)<sub>2</sub>C(R)]- (M = metal with valence n or an org. cation; R = CN, carbonyl, sulfo, or phosphoryl group; Rf = perfluoroalkyl or -aryl group) are prep'd. from the salts (1/nM)+ [(RfSO<sub>2</sub>)<sub>2</sub>CH]- and the compds. RX [X = (pseudo)halogen]. Mixing 9.05 g

10%

dioxane soln. of poly(acryloyl chloride), 3.02 g Na<sup>+</sup> [(CF<sub>3</sub>SO<sub>2</sub>)CH]<sup>-</sup>, 5 mL C<sub>5</sub>H<sub>5</sub>N, and 5 mL MeCN, filtering, and stirring the filtrate with 1.5 g Li<sub>2</sub>CO<sub>3</sub> for 48 h gave a polymer ester salt (I). Casting an MeCN soln. of 341 mg I and 900 mg polyethylene glycol-polyoxymethylene (mol. wt. 105)

gave an elastic film with elec. cond. 10-5 .OMEGA./cm at 25.degree..  
IT 152326-22-2P  
RL: PREP (Preparation)  
(prepn. of)  
RN 152326-22-2 CAPLUS  
CN Xanthylium, 9-[2-[bis[(tridecafluorohexyl)sulfonyl]acetyl]phenyl]-3,6-bis(diethylamino)-, inner salt (9CI) (CA INDEX NAME)



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\* \* \* \* \*

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\* \* \* \* \*

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NEWS 3 Feb 06 Engineering Information Encompass files have new names  
NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA  
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN  
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change  
to PHARMASEARCH  
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents  
Index  
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:34:49 ON 10 OCT 2001

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COST IN U.S. DOLLARS

SINCE FILE

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TOTAL

SESSION

0.15

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:34:53 ON 10 OCT 2001  
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STRUCTURE FILE UPDATES: 9 OCT 2001 HIGHEST RN 361335-51-5  
DICTIONARY FILE UPDATES: 9 OCT 2001 HIGHEST RN 361335-51-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT  
for details.

=>

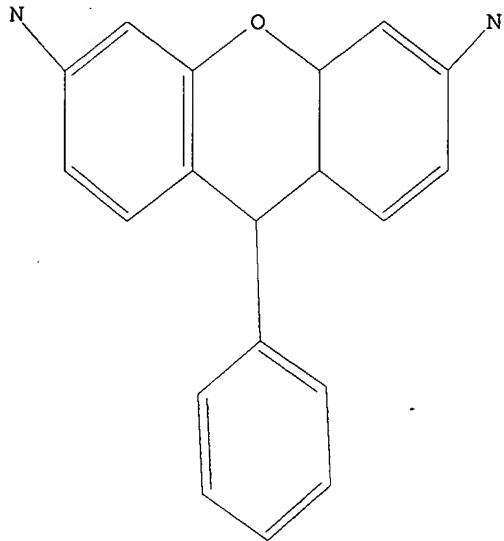
Uploading 772617b.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 15:35:19 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 15153 TO ITERATE

6.6% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

23 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH     \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:     295708 TO     310412  
PROJECTED ANSWERS:        5850 TO     8090

L2           23 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 15:35:27 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 303844 TO ITERATE

100.0% PROCESSED 303844 ITERATIONS                   4801 ANSWERS  
SEARCH TIME: 00.00.03

L3           4801 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	133.56	133.71

FILE 'CAPLUS' ENTERED AT 15:35:36 ON 10 OCT 2001  
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FILE COVERS 1947 - 10 Oct 2001 VOL 135 ISS 16  
FILE LAST UPDATED: 9 Oct 2001 (20011009/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAPLUS now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

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=> s 11 full

**REG1stRY INITIATED**

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 15:35:46 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 303844 TO ITERATE

100.0% PROCESSED 303844 ITERATIONS  
SEARCH TIME: 00.00.03

4801 ANSWERS

L4 4801 SEA SSS FUL L1

L5 13510 L4

=> s 15 and colorants?

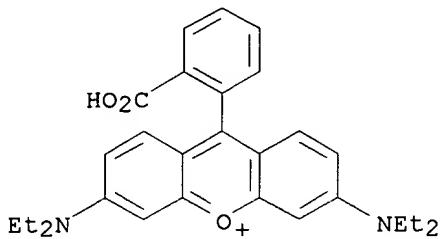
6549 COLORANTS?

L6 146 L5 AND COLORANTS?

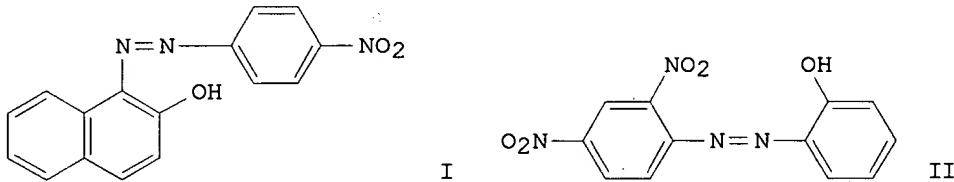
=> d 16 136-146 ibib abs hitstr

L6 ANSWER 136 OF 146 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1978:547630 CAPLUS  
DOCUMENT NUMBER: 89:147630  
TITLE: Fluorescent **colorants** for synthetic resins  
INVENTOR(S): Goto, Tsuneaki; Ide, Hiromitsu; Komoto, Muneaki  
PATENT ASSIGNEE(S): Japan Fluorescence Chemical Co., Ltd., Japan  
SOURCE: Japan. Kokai, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53066937	A2	19780614	JP 1976-141968	19761127
AB	Fluorescent <b>colorants</b> with good dispersibility in synthetic resins contained fluorescent dye and polymer of 0.8-1.8 mol arom. dicarboxylic acid and 1 mol aliph. diamine. For example, 41 g ethylenediamine and 59 g phthalic acid were heated to 250.degree., treated with 1 g Rhodamine B [81-88-9], and stirred at 270.degree. for 3 days to give a fluorescenct bluish red color.			
IT	<b>81-88-9</b>			
RL:	USES (Uses)			
	(fluorescent coloring materials, contg. polyamides, for synthetic resins)			
RN	81-88-9 CAPLUS			
CN	Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI) (CA INDEX NAME)			



L6 ANSWER 137 OF 146 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1978:437487 CAPLUS  
 DOCUMENT NUMBER: 89:37487  
 TITLE: Mutagenicity of 19 major graphic arts and printing dyes  
 AUTHOR(S): Milvy, Paul; Kay, Kingsley  
 CORPORATE SOURCE: Mt. Sinai Sch. Med., City Univ. New York, New York, N.  
 SOURCE: Y., USA  
 J. Toxicol. Environ. Health (1978), 4(1), 31-6  
 DOCUMENT TYPE: CODEN: JTEHD6; ISSN: 0098-4108  
 LANGUAGE: Journal  
 English  
 GI

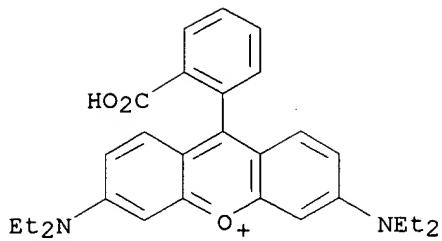


AB Nineteen dyes, selected from a list of 34 **colorants** considered to be representative of those that are most extensively used in the trade and for which no carcinogenic data exist, were tested for their ability to create revertants in the Ames *Salmonella typhimurium*/mammalian microsome reversion test system. Two variations of the std. Ames test were also used: the **colorants** were mixed with the warm top agar before spreading on the minimal plates, and the **colorants** were added to the liver homogenate, generating soln., and bacteria and shaken at 37.degree. for 30 min before plating. All **colorants** were 1st dissolved in DMSO and all were tested in the presence and absence of liver microsomes. Two **colorants**, para red (I) [6410-10-2] and dinitroaniline orange (II) [3468-63-1] were found mutagenic. I required the presence of the liver homogenate to produce mutagenicity; II was a direct mutagen. Both **colorants** reverted only the frameshift strains that were tested (TA1538 and TA98).

IT 81-88-9  
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)  
 (mutagenicity of)

RN 81-88-9 CAPLUS

CN Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI)  
 (CA INDEX NAME)



O cl-

L6 ANSWER 138 OF 146 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1976:425282 CAPLUS

DOCUMENT NUMBER: 85:25282

TITLE: Red **colorants** for cosmetic manufacturing

INVENTOR(S): Miyakawa, Yasumasa

PATENT ASSIGNEE(S): Kobayashi Kose Co., Ltd., Japan

SOURCE: Japan. Kokai, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51041443	A2	19760407	JP 1974-113338	19741003
JP 52007065	B4	19770226		

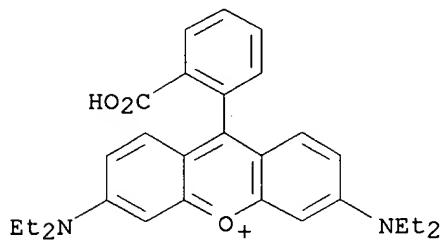
AB Red **colorants** for cosmetic manufg. are prep'd. by mixing cation-exchange clay minerals, rhodamine B [81-88-9] in surfactants, and polyvalent ions. Thus, montmorillonite [1318-93-0], rhodamine B in Tween 80, and AlCl3 were mixed to give a colorant (I). A cosmetic prepn. contained talc 10, I 10, titanium 30, petrolatum 1.5, lanolin derivs. 10, sorbitol sesquioleate 5, and mineral oil 20% and perfume and antioxidant.

IT 81-88-9

RL: BIOL (Biological study)  
(cosmetic color compn. contg. montmorillonite and)

RN 81-88-9 CAPLUS

CN Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI)  
(CA INDEX NAME)



O cl-

L6 ANSWER 139 OF 146 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1976:52158 CAPLUS  
DOCUMENT NUMBER: 84:52158  
TITLE: Color display devices  
PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan  
SOURCE: Neth. Appl., 18 pp.  
CODEN: NAXXAN  
DOCUMENT TYPE: Patent  
LANGUAGE: Dutch  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 7411935	A	19750325	NL 1974-11935	19740909
JP 50057627	A2	19750520	JP 1973-107142	19730921
JP 59018686	B4	19840428		
JP 50124590	A2	19750930	JP 1974-26498	19740306
JP 50143554	A2	19751119	JP 1974-51010	19740507
JP 50143551	A2	19751119	JP 1974-51011	19740507
JP 50143555	A2	19751119	JP 1974-51012	19740507
JP 50143556	A2	19751119	JP 1974-51013	19740507
GB 1486836	A	19770928	GB 1974-40915	19740919
DE 2445072	A1	19750410	DE 1974-2445072	19740920
FR 2245042	A1	19750418	FR 1974-31917	19740920
US 4039255	A	19770802	US 1976-689047	19760524
PRIORITY APPLN. INFO.:				
			JP 1973-107142	19730921
			JP 1974-26498	19740306
			JP 1974-51010	19740507
			JP 1974-51011	19740507
			JP 1974-51012	19740507
			JP 1974-51013	19740507
			US 1974-507194	19740918

AB Color display devices, based on electrochromism, are small rectangular cells provided with glass windows and electrodes, operating at ambient to 100. degree. and 1-5 V d.c. The cells are filled with inorg. or org. **colorants**. The org. **colorants** are comprised of dyes, which are suspended or dissolved (10-3 mole/l.) in minerals or silicone oils, or esters, such as cresyl diphenyl phosphate. The inorg. **colorants** include TiO<sub>2</sub>, ZnO<sub>2</sub>, Cr oxides, cobalt blue, and Prussian blue.

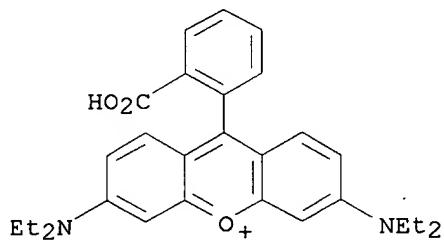
IT 81-88-9

### RL: USES (Uses)

(electrochromic suspensions contg., for color display devices)

RN 81-88-9 CAPLUS

CN Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI)  
(CA INDEX NAME)



O Cl -

ACCESSION NUMBER: 1975:516012 CAPLUS

DOCUMENT NUMBER: 83:116012

TITLE: Fluorescent **colorants** for thermoplastics

INVENTOR(S): Schein, Alan K.

PATENT ASSIGNEE(S): Hercules Inc., USA

SOURCE: Ger. Offen., 25 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2452870	A1	19750528	DE 1974-2452870	19741107
DE 2452870	C3	19790920		
DE 2452870	B2	19790125		
US 3922232	A	19751125	US 1973-418795	19731123
BE 820888	A1	19750203	BE 1974-149379	19741009
CH 599321	A	19780531	CH 1974-13786	19741011
FR 2252387	A1	19750620	FR 1974-35517	19741023
CA 1056087	A1	19790605	CA 1974-213132	19741106
JP 50105743	A2	19750820	JP 1974-131540	19741114
SE 7414587	A	19750526	SE 1974-14587	19741120
SE 406334	C	19790517		
SE 406334	B	19790205		
NL 7415235	A	19750527	NL 1974-15235	19741122
BR 7409819	A	19760525	BR 1974-9819	19741122
AU 7475637	A1	19760527	AU 1974-75637	19741122
AT 7409383	A	19760915	AT 1974-9383	19741122
AT 336749	B	19770525		
GB 1489383	A	19771019	GB 1974-50645	19741122
IT 1025932	A	19780830	IT 1974-29735	19741122

PRIORITY APPLN. INFO.: US 1973-418795 19731123

AB Fluorescent **colorants**, stable to heat and light and compatible with thermoplastics, are prep'd. by mixing fluorescent dyes with nontacky polyester resin precondensates which are sol. in DMF at 25.degree. and areprep'd. from 0.5-2.0 moles polycarboxylic acid and 1 mole polyol, at least one of which has a functionality >2. The **colorants**, after milling, are easily dispersed in thermoplastics and impart intense, brilliant fluorescent colors. For example, a N-blanketed mixt. of phthalic anhydride 222, stearic acid 38.8, and pentaerythritol 184.6

parts

was heated 55 min at 210.degree., Maxilon Brilliant Flavine 10FFF [12221-86-2] 7.24, Rhodamine 69DN Extra [989-38-8] 3.49, and Rhodamine F3B [2390-63-8] 3.27 parts were added, and the mixt. was heated 20 min at 210.degree. to give an orange-red colorant sol. in DMF and softening at 104.degree.. High-d. polyethylene [9002-88-4] contg.

2 wt.% of this colorant was dyed a brilliant fluorescent orange color with

18-35% higher intensity than a comparison sample contg. colorant prep'd. identically except that the initial charge was heated longer, dye was added later, and the product obtained was only partly sol. in DMF.

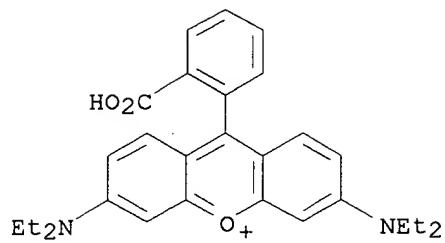
IT 81-88-9 989-38-8 2390-63-8

RL: USES (Uses)

(fluorescent **colorants** from polyester and, for thermoplastics)

RN 81-88-9 CAPLUS

CN Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI)  
(CA INDEX NAME)

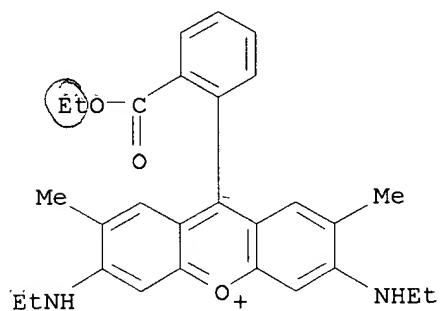


● Cl<sup>-</sup>

RN 989-38-8 CAPLUS

CN Xanthylium,

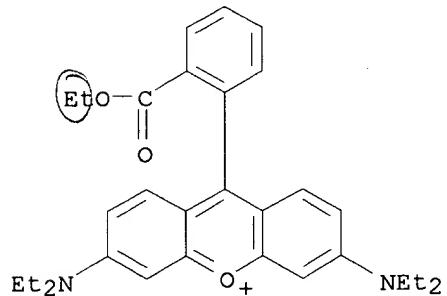
9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

RN 2390-63-8 CAPLUS

CN Xanthylium, 3,6-bis(diethylamino)-9-[2-(ethoxycarbonyl)phenyl]-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

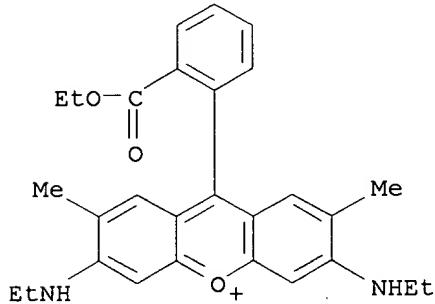
L6 ANSWER 141 OF 146 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1975:460577 CAPLUS

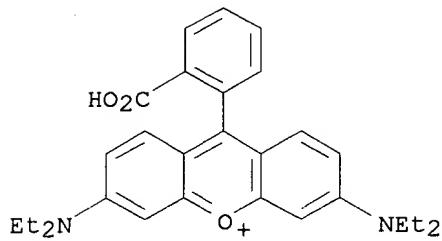
DOCUMENT NUMBER: 83:60577

TITLE: Polyethylene compositions containing dispersed resin particles  
 PATENT ASSIGNEE(S): Hercules Inc.  
 SOURCE: Fr. Demande, 13 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	FR 2192127	A1	19740208	FR 1972-25054	19720711
AB	Aminotriazine-HCHO resins were formed in situ from monomer dispersions contg. either p-toluenesulfonamide (I) or 5,5'-dimethylhydantoin in an oxidized polyethylene (II) [9002-88-4] continuous phase. The addn. of rhodamine dyes to the polymn. compns. gave plastics useful as coloring materials. Thus, a mixt. of Santicizer 9 P (I), paraformaldehyde, melamine, water, Rhodamine BXP, Rhodamine 6GDN [989-38-8], and Base 6G was heated in a II melt and cooled to give a fluorescent red-orange coloring material for plastics.				
IT	<b>989-38-8</b>				
	RL: USES (Uses) (aminotriazine-polyethylene dispersions contg., <b>colorants</b> )				
RN	989-38-8 CAPLUS				
CN	Xanthylium, 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethyl- , chloride (9CI) (CA INDEX NAME)				

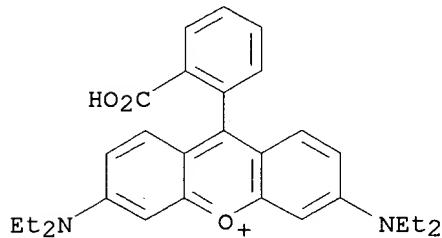


IT	<b>81-88-9</b>
	RL: USES (Uses) (aminotriazine-polyethylene dispersions contg., coloring materials)
RN	81-88-9 CAPLUS
CN	Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI) (CA INDEX NAME)



O Cl<sup>-</sup>

L6 ANSWER 142 OF 146 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1974:544211 CAPLUS  
 DOCUMENT NUMBER: 81:144211  
 TITLE: Organic **colorants** transferred by laser scanning  
 AUTHOR(S): Braudy, Robert S.  
 CORPORATE SOURCE: Adv. Technol. Lab., RCA Corp., Camden, N. J., USA  
 SOURCE: J. Appl. Phys. (1974), 45(8), 3512-15  
 CODEN: JAPIAU  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB A method for screening **colorants** to be used in the material transfer recording process employs a focused continuous wave Ar laser that scans across the carrier support along with absorption spectrophotometry and differential scanning calorimetry. For satisfactory transfer, the colorant requires both good laser radiation absorption and good thermal characteristics. Results analyzed on a scanning electron microscope and scanning densitometer suggest that material transfer is caused by melting and vaporization.  
 IT 81-88-9  
 RL: USES (Uses)  
 (in material-transfer recording)  
 RN 81-88-9 CAPLUS  
 CN Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI)  
 (CA INDEX NAME)



O Cl<sup>-</sup>

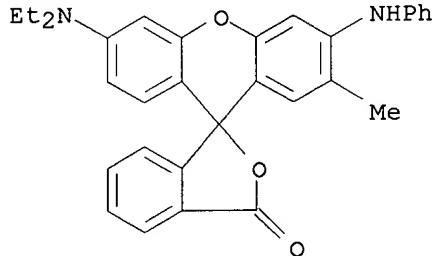
L6 ANSWER 143 OF 146 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1974:493229 CAPLUS  
 DOCUMENT NUMBER: 81:93229  
 TITLE: Colorless printing and stamp inks  
 INVENTOR(S): Morishita, Sadao; Ohtani, Masaaki; Fuchigami, Mitsuru

PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd.  
 SOURCE: Japan. Kokai, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49023007	A2	19740301	JP 1972-64782	19720628

AB The printing or stamping combination consists of an ink contg. one of the color formers (I, X = O or NR3; R = MeO, EtO, PhCH2O, NHMe, NMe2, NHET, or NET2; R1 = MeO, EtO, PhCH2O, C1-5 alkyl, or NR4R5; R2 = H, C1-5 alkyl, or halogen, R3 = Ph, NHPh, or cyclohexyl; R4, R5 = H, C1-5 alkyl, Ph, PhCH2, or Ac) in ethylene glycol, diethylene glycol, triethylene glycol, or polyethylene glycol and a color developer sheet contg. org. sulfonic acid. Thus, a compn. of kaolin 100, Na hexametaphosphate 0.3, water 200, starch 10, latex 10, and 10% aq. p-phenolsulfonic acid [98-67-9] 100 parts was applied to 40 g/m<sup>2</sup> paper to 7 g/m<sup>2</sup> (based on solids). A 2% soln. of color former (I, X = O, R = NET2, R1 = 3'-NHPh, R2 = 2'-Me) [52497-19-5] in diethylene glycol was used as an ink to stamp the above sheet to develop a black lightfast mark. Color former (I, X = O, R = NET2, R1 = 3'-Ph R2 = H) [52497-20-8] was similarly used to develop red marks.

IT 52497-19-5  
 RL: USES (Uses)  
 (colorant, for printing or stamping ink)  
 RN 52497-19-5 CAPLUS  
 CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 6'-(diethylamino)-2'-methyl-3'-(phenylamino)- (9CI) (CA INDEX NAME)



L6 ANSWER 144 OF 146 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1973:530851 CAPLUS  
 DOCUMENT NUMBER: 79:130851  
 TITLE: Two-mode method for measurement and formulation with fluorescent colorants  
 AUTHOR(S): Simon, Frederick T.  
 CORPORATE SOURCE: Clemson Univ., Clemson, S. C., USA  
 SOURCE: J. Color Appearance (1972), 1(4), 5-11  
 CODEN: JCAPAO  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB True reflection and true fluorescence of fluorescent dyes were sep'd. by measuring the apparent reflection spectra twice with the same instrument: once with a monochromatic light source and again with a polychromatic light source. The 2 spectra were the same for nonfluorescing dyes, but differed greatly for fluorescing dyes. Since the true reflection follows the Kubelka-Munk relation, the method provides a basis for predictions for

fluorescent sample mixts. not previously available with simple app. Spectra of binary and ternary dye mixts. on nylon and acrylic yarns, obtained with the 2-mode method, are discussed.

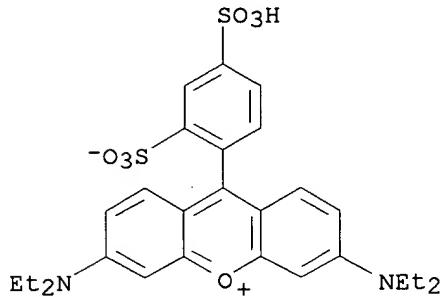
IT 3520-42-1

RL: PRP (Properties)

(fluorescence and reflection of, on Nylon, sepn. of)

RN 3520-42-1 CAPLUS

CN Xanthylum, 3,6-bis(diethylamino)-9-(2,4-disulfophenyl)-, inner salt, sodium salt (9CI) (CA INDEX NAME)



© Na

L6 ANSWER 145 OF 146 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1969:31711 CAPLUS

DOCUMENT NUMBER: 70:31711

TITLE: Thin-layer chromatography of certified coal tar color additives

AUTHOR(S): Penner, Melvin H.

CORPORATE SOURCE: Pharm. Res. and Develop. Lab., Warner-Lambert Res. Inst., Morris Plains, N. J., USA

SOURCE: J. Pharm. Sci. (1968), 57(12), 2132-5

CODEN: JPMSAE

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A comprehensive thin-layer chromatographic procedure was developed for the

systematic sepn. and identification of 19 water- and/or alc.-sol. coal tar

dyes currently permitted for use in pharmaceutical dosage forms.

Thin-layer chromatog. on cellulose-coated chromatoplates and development in one of the following solvent systems: EtOAc-BuOH-pyridine-water (5:5:6:5); EtOAc-BuOH-concd. NH3 (20:55:25); EtOAc-PrOH-concd.

NH3-water

(35:35:20:20); PrOH-EtOAc-concd. NH3 (65:75:60) offers rapid, sharp sepn.

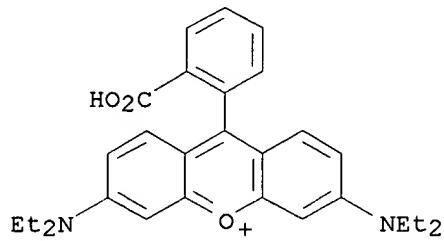
into compact zones of the most common colorant combinations used to achieve special color effects. Quantitation of the colorants may then be achieved by densitometric scanning of the developed plates. The method was also applied for the detection of dye incompatibility in a liq. prepns.

IT 81-88-9

RL: ANT (Analyte); ANST (Analytical study)  
(chromatog. of, thin-layer)

RN 81-88-9 CAPLUS

CN Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, chloride (9CI) (CA INDEX NAME)



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L6 ANSWER 146 OF 146 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1967:20038 CAPLUS

DOCUMENT NUMBER: 66:20038

TITLE: Inks for ball-point pens

PATENT ASSIGNEE(S): Mittenwald-Chemie K.-G.

SOURCE: Fr., 4 pp.

CODEN: FRXXAK

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1438927		19660513		

PRIORITY APPLN. INFO.: DE 19640708

AB Inks for ball-point pens consisting of solns. of **colorants** in PhCH2OH compds. of formula Me(CH2)<sub>n</sub>CONR1R2, where n = 6-20, R1 is a C8-22 fatty acid residue or a short alkyl, alkyleneamine, or alkylene glycol ether group, and R2 is H or an alkylene glycol ether group. These compds.

prevent corrosion of paper due to benzoic acid formed by oxidn. of PhCH2OH

and give improved capillary properties. A typical compn. is 20% special colorant formed from 1 mole Benzo Orange WS (C.I. 29155) and 3 moles Rhodamine 3 GO (C.I. 45215), 20% ketone-aldehyde resin, 8% condensate of

1 mole oleylamine with 1 mole coco fatty acid, 10% propylene glycol, 10% hexylene glycol, and 32% phenoxyethanol.

IT 3068-40-4

RL: USES (Uses)

(inks (ball-point) from aldehyde-ketone resins, alkylene glycol and oleamine-fatty acid condensates contg.)

RN 3068-40-4 CAPLUS

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST	ENTRY 46.63	SESSION 314.23
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.47	-6.47

\* \* \* \* \*

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